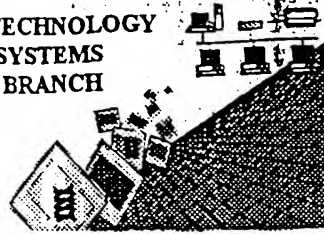




BIOTECHNOLOGY
SYSTEMS
BRANCH



0590
0328

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/085,418D
Source: OIP
Date Processed by STIC: 4/1/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN ASSISTANCE: e-mail: Robert.wax@uspto.gov Telephone: 703-306-4119

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
EFFECTIVE MAY 1, 2003 (via USPS): Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
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2011 South Clark Place, Arlington, VA 22202



Does Not Comply
Correction is Needed

OIPE

RAW SEQUENCE LISTING

DATE: 04/01/2003

PATENT APPLICATION: US/10/085,418D

TIME: 14:56:08

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04012003\J085418D.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

4 (i) APPLICANT: ZENECA LIMITED ., . .

5 (ii) TITLE OF INVENTION: GENE SILENCING

6 (iii) NUMBER OF SEQUENCES: 3

7 (iv) CORRESPONDENCE ADDRESS:

8 (A) ADDRESSEE: IP DEPT., ZENECA AGROCHEMICALS

9 (B) STREET: JEALOTTS HILL RESEARCH STATION,

10 (C) CITY: BRACKNELL,

11 (D) STATE: BERKSHIRE

12 (F) ZIP: RG42 6ET

→ mandatory information missing (E) COUNTRY: _____

13 (v) COMPUTER READABLE FORM:

14 (A) MEDIUM TYPE: Floppy disk

15 (B) COMPUTER: IBM PC compatible

16 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

17 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

18 (vi) CURRENT APPLICATION DATA:

C--> 19 (A) APPLICATION NUMBER: US/10/085,418D

C--> 20 (B) FILING DATE: 25-Mar-2003

21 (C) CLASSIFICATION:

22 (viii) ATTORNEY/AGENT INFORMATION:

23 (A) NAME: HUSKISSON, FRANK M

24 (ix) TELECOMMUNICATION INFORMATION:

25 (A) TELEPHONE: 01344 414822

ERRORED SEQUENCES

27 (2) INFORMATION FOR SEQ ID NO: 1:

28 (i) SEQUENCE CHARACTERISTICS:

29 (A) LENGTH: 3681 base pairs

30 (B) TYPE: nucleic acid

31 (C) STRANDEDNESS: double

32 (D) TOPOLOGY: linear

33 (ii) MOLECULE TYPE: DNA (genomic)

34 (iii) HYPOTHETICAL: NO

35 (iv) ANTI-SENSE: NO

36 (vi) ORIGINAL SOURCE:

37 (A) ORGANISM: 1-AMINO CYCLOPROPANE-1-CARBOXYLIC ACID

38 SOURCE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/085,418D

DATE: 04/01/2003

TIME: 14:56:08

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04012003\J085418D.raw

E--> 43 AAATTTGATA GATTCAGTTT TTATGTTTTT AGTGCTGATT ACAACATTGA AATTCTAAAT
 W--> 44 60
 E--> 45 TTAGAATTTA ATATTTATTA AATGTTAGTG CATTATACA AATAACATAT TACATCTCAA
 W--> 46 120
 E--> 47 ATAATATGA GTTGTGTTAGA TTTTATTTGC CCTGATTCT TATCATAAAT AGGTTTTCTT
 W--> 48 180
 E--> 49 TTTAGGAAAA GGTTTTGAAT TGAATATTCT TTTTGTGTA GGAAAAAGTT TAGGACTCTA
 W--> 50 240
 E--> 51 TAAATAGAGG CATGTTCTT CTAACCTAAT TAGCATTAC AATGTAGTT TAAGGGCTTT
 W--> 52 300
 E--> 53 GAGAGTTTTG GTTAGAGGA GAATTTGTGA ACCTCTCATG TATTCCGAGT GAATTGGTTG
 W--> 54 360
 E--> 55 AGGTTGTTT CCTCTGTATT TTGTACTCTC ATGTTTATAG TGGATTGCTC ATTTCTTTG
 W--> 56 420
 E--> 57 TGGACGTAGG TCGATTGACC GAACCACGTT AAATTTTGT GTCTTTTGGT ATATTTCTG
 W--> 58 480
 E--> 59 TTCTTCTTAC TCGTGGTCTT TCGAGGTTG CTTTGCTAGC TTCCGCGTTT ACACCTGCTT
 W--> 60 540
 E--> 61 ATTTTCGGTC CTAACAAGTG GTATCAGAGC CAGATTCAAT AATGGAGTCA GGTGTAGTGG
 W--> 62 600
 E--> 63 TTCGATAATC GATGATTGAA CCAAGTTAGA AAGAGGTGT CATCTTGACG GGTGTAGTTC
 W--> 64 660
 E--> 65 TAGCCGCAAC CTTTTTGACA GTAATGAAGA TTTTGATGGA GAAATTGTTT CAGAGAGGTT
 W--> 66 720
 E--> 67 CTCTGTGTTG AGACATAAAT TTTGTAAAGG AGATTATGGA GAGGAGAAGC AAGTTGTTGA
 W--> 68 780
 E--> 69 AGATTAAGTA AAGAAGGTGG ACAAATCTAT TTTGTCAGAA ATTCAGGCCA AGGGGGAGAT
 W--> 70 840
 E--> 71 TTGTTGGGTT TTATTTGCCC TGATTTTTTA CCATAAATAG GTTTCTCTT AAGGAAAAGG
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 E--> 73 TTTTGAATTG ACTATTCTTT TTTTGGTAGG AAAAGGTTTA GGATTCTATA AATAGAGGCA
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 E--> 75 TGTTCTTCT AACTTAATTA GCATTCACAA TGTAGTTTTA AGGGCTTTGA GAGTTTTGGT
 W--> 76 1020
 E--> 77 TAGAGGGAGA ATTTGTGAAC CTCTCATGTA TTCCGAGTGA ATTGGTTGAG GTTGTTTCCC
 W--> 78 1080
 E--> 79 TCTGTATTTT GTACTCTCAT GTTTATAGTG GATTGCTCAT TTCCTTTGTG GACGTAGTCT
 W--> 80 1140
 E--> 81 GATTGACCGA ACCACGTTAA ATCTTTGTGT CTTTGGTAT ATTTCTCGTT GTCTTCTTAC
 W--> 82 1200
 E--> 83 TCGTGGTCTT TCGAGGTTTG CTTTGCTAGC TTCCGCGTTT ACACCTGCTT ATTTGCGGTC
 W--> 84 1260
 E--> 85 CTAACAGAGT TCGATGGGTT GAATCTATAA AAAGAAAAAT ATACTCGTGA TTCACGATTA
 W--> 86 1320
 E--> 87 TTTATATGAA AATATAATAA ATATTGAATT TCCTTTGCTA TTTCTTATGT TTACGTCTTT
 W--> 88 1380
 E--> 89 ATATTTCAAA TTATTCCACC AATACTGACA AGCCCTAGGC CATCTCTAGG AAATTCATAC
 W--> 90 1440
 E--> 91 TTTTGTGTTG GTTGTGTTGA GAAATTGTTT CAGAGAGGTT

wrapped nucleic
 throughout eg. 1

please make
 - enumeration
 to the right
 margin

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/085,418D

DATE: 04/01/2003

TIME: 14:56:08

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04012003\J085418D.raw

W--> 92 1500
E--> 93 AGGCAACTTC CTCAAGTACT ACAACTACAT TGTAACATCC CAGTCAAAGT GTCCTAAAAT
W--> 94 1560
E--> 95 TTTATAAAAT TTGACACATG AAACAATAGC ACAATAAATT TTAGTACTAT TGCAGCCATG
W--> 96 1620
E--> 97 GCCCATAAGC CATCATGTAT TATAGTCAAA ATGGGTCCTT TTCCAATTTG TCTTGATCCC
W--> 98 1680
E--> 99 AAAATCCCTT TGTAGGTAAG ATGGTTCAAC AAGGAACTAT GACTCTTAAG GTAGACTTGG
W--> 100 1740
E--> 101 ACTCATAGAC TTGTCATAAC TCATAAAGAC TTGGAATATA ATAATTATTC ATTTAAATTA
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E--> 103 TAATTCTCTA CTTTAATATC TTCTACTATA AATACCCTTT CAAAGCCTCA TTATTTGTAC
W--> 104 1860
E--> 105 ATCAAACATT GATATTCATC TCTTCAATCT TTTGTATTCA CATATTCTAT TTATTCAATA
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E--> 107 CACTTAGGAA AACACTTTAC CAAGAAATTA AGATGGAGAA CTTCCTCAAT ATTAACCTGG
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E--> 109 AAAAGCTCAA TGGAGATGAG AGAGCCAACA CCATGGAAAT GATCAAAGAT GCTTGTGAGA
W--> 110 2040
E--> 111 ATTGGGGCTT CTTTGAGGTA ATCATAAATT ACATAAACAT ATTAATATGT TTGTTTCAAT
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W--> 116 2220
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W--> 118 2280
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W--> 120 2340
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W--> 122 2400
E--> 123 CAAGAAGTGC ATGGAACAGA GGTTTAAGGA ACTAGTGGCA AGTAAGGGAC TTGAGGCTGT
W--> 124 2460
E--> 125 TCAAGCTGAG GTTACTGATT TAGATTGGGA AAGCACTTTC TTCTTGCGCC ATCTTCCTAC
W--> 126 2520
E--> 127 TTCTAATATC TCTCAAGTAC CCGATCTTGA CGAAGAATAC AGGTACATAC ATGTGTCCTA
W--> 128 2580
E--> 129 CATATTGCGT ATATAATAAA TAAACACAAA ATTTAAGTTA TATACGCTGA CAGTATAACT
W--> 130 2640
E--> 131 AATTATAATG TTGTACCAA TGATGCAGAG AGGTGATGAG AGATTTTGCT AAAAGATTGG
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E--> 133 AGAAATTGGC TGAGGAGTTA CTTGACTTAC TCTGTGAAAA TCTTGGACTT GAAAAAGGTT
W--> 134 2760
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W--> 136 2820
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W--> 138 2880
E--> 139 GCATCATACT TCTGTTCCAA GATGACAAAG TGAGTGGCCT TCAACTCCTC AAAGACGAGC
W--> 140 2940

RAW SEQUENCE LISTING

DATE: 04/01/2003

PATENT APPLICATION: US/10/085,418D

TIME: 14:56:08

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04012003\J085418D.raw

E--> 141 AATGGATCGA TGTTCCTCCC ATGCGCCACT CTATTGTGGT TAACCTTGGT GACCAACTTG
W--> 142 3000
E--> 143 AGGTACAAGA TTCACTAAGT GTGTGTGTTT TTATCACTAT AACTTAGAAG TAGTAACTAA
W--> 144 3060
E--> 145 AAATGGTATT AATGAAATGT TATAAAAACA GGTGATCACT AACGGGAAGT ACAAGAGTGT
W--> 146 3120
E--> 147 GCTGCACAGA GTAATTGCAC AAACAGACGG GACACGAATG TCATTAGCCT CATTTTACAA
W--> 148 3180
E--> 149 TCCAGGAAGT GATGCAGTAA TATATCCAGC AAAAAGTTTG GTTGAAAAAG AGGCAGAGGA
W--> 150 3240
E--> 151 AAGTACACAA GTGTATCCAA AGTTTGTGTT TGATGATTAC ATGAAGTTAT ATGCTGGACT
W--> 152 3300
E--> 153 CAAGTTTCAA GCCAAAGAGC CAAGATTGA AGCAATGAAG GCAATGGAAA GTGATCCAAT
W--> 154 3360
E--> 155 TGCAAGTGCT TAGATCCCAA TTCAATTAAA AAAATTGGTG TTTGAAAAAT ATATTTAAAT
W--> 156 3420
E--> 157 ATAGCAATCT ATGTATACAC ATTATTTGCT CTTCTTATGT ATGGTAGAAT AAAGTTAGTA
W--> 158 3480
E--> 159 TTAAAAAAGA TTGTGATTTG CTGCATATGT ATCAAAAAGA GTCCTAATAT TTGTATCTAT
W--> 160 3540
E--> 161 AAATAAGGTG CCTTCTAGTG AAATTATACA AATAATAATT TGGAGTGTAT TGTCTTTCT
W--> 162 3600
E--> 163 CATGTAATTT AACTTTTAAG TATCTTACTT TACAATATAC TGTTCACTTA TTGAACATAT
W--> 164 3660
165 TGAGTGATAT ATTGACTCAA T 3681

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/085,418D

DATE: 04/01/2003

TIME: 14:56:09

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04012003\J085418D.raw

L:19 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:20 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:0 M:200 E: Mandatory Header Field missing, [(E) COUNTRY:] of (1)(iv)
L:43 M:254 E: No. of Bases conflict, Input:0 Counted:60 SEQ:1
L:44 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
M:254 Repeated in SeqNo=1
L:46 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:48 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:50 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:56 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:60 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:62 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:64 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:66 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:70 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:74 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:76 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:78 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:90 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:92 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:94 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:110 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:114 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:116 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:118 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:120 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:122 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:124 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:126 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:128 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/085,418D

DATE: 04/01/2003

TIME: 14:56:09

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF4\04012003\J085418D.raw

L:130 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:132 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
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L:138 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:140 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:142 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1